

2.003 CLEANING MAMS SCREENS

(podfall000712)

Page 1 of 2 pages

OBJECTIVE:

Microgravity Acceleration Measurement System (MAMS). Temporary removal of MAMS to clean the screens.

TOOLS:

High Torque Locker Tool

Ratchet, 1/4" Drive

1/4" Socket, 1/4" Drive

(10-50 in-lbs) Trq Wrench, 1/4" Drive

Vacuum Cleaner SEG39125637-303 (if necessary)

MATERIALS:

Gray Tape, 2" width

NOTE

1. The power and comm was removed by the **POIC**.
2. The screens can be cleaned with either tape or the vacuum (if debris is heavy).

LAB102_F1 1. sw LOCKER-3 POWER → OFF
✓LOCKER-3 POWER Lt – Off

LAB102_G 2. cb CB → OFF
1 (MAMS)

3. EXPRESS Rack Power Cable (24") ←|→POWER J1 SSPCM 5A
Replace connector cover.
4. EXPRESS Rack Data Cable (38") ←|→DATA J3
Replace connector cover.
5. Secure cables as required.
6. Remove MAMS locker fasteners (eight) [High Torque Locker Tool; 1/4 " Socket, 1/4" drive; Ratchet, 1/4" Drive].
7. Position MAMS with screens facing forward and secure as required.
8. Remove lint from screens (three, one on lower left corner, two on right side) [Gray Tape, 2" width or Vacuum Cleaner].
9. Push MAMS fasteners out to engage Locker Fittings in EXPRESS Rack [High Torque Locker Tool]. See Figure 1.

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Page 2 of 2 pages

Locker Fitting
(1 of 8)

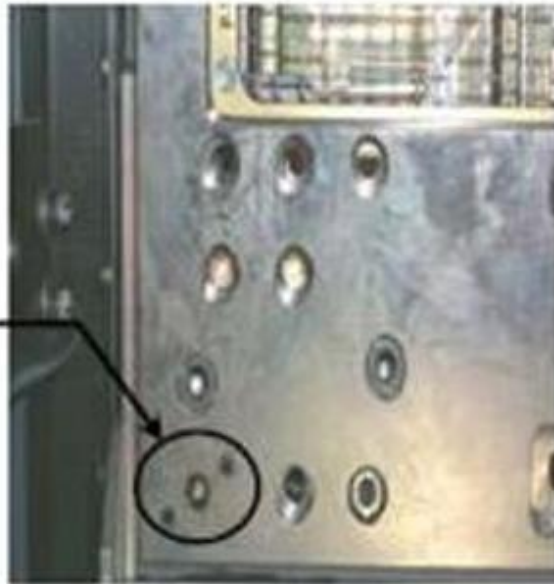


Figure 1. EXPRESS Rack Locker Fitting

10. Thread Fasteners (eight) loosely until all fasteners engaged. Torque fasteners to 30 in-lbs [High Torque Locker Tool; 1/4 " Socket, 1/4" drive; (10-50 in-lbs) Trq Wrench, 1/4" Drive].
11. Remove connector cover (Captive to panel).
EXPRESS Rack Power Cable (24") →|←POWER J1
12. Remove connector cover (Captive to panel)
EXPRESS Rack Data Cable (38") →|←DATA J3
13. cb CB → ON
- LAB102_F1 14. sw LOCKER-3 POWER → ON
15. Stow:
Gray Tape, 2" width
High Torque Locker Tool
Ratchet, 1/4" Drive
1/4" Socket, 1/4" Drive
(10-50 in-lbs) Trq Wrench, 1/4" Drive
Vacuum Cleaner (if required)
16. Notify **POIC** of the amount of debris removed from the screens (light, medium or heavy).